

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (previously presented): An electronic component, comprising:

an electronic circuit having a first surface;

electrical contacts at least on said first surface for electrical bonding of said electronic circuit;

at least one elevation disposed on said first surface, said at least one elevation having an elevation surface and a contact zone, said at least one elevation being formed of an insulating material having sufficient flexibility to absorb stresses occurring in said contact zone as a result of at least one of the group consisting of thermal loading and mechanical loading, and said at least one elevation having a geometrical shape for achieving a spring effect in directions extending parallel to said first surface;

at least one of said electrical contacts disposed on said at least one elevation; and

a conduction path disposed on said elevation surface between said at least one of said electrical contacts and said electronic circuit.

Claim 2 (original): The electronic component according to claim 1, including:

an insulating layer at least partially covering said first surface and adjoining said at least one elevation; and

conductor runs disposed on said insulating layer and forming a conducting connection between said at least one elevation and said electronic circuit.

Claim 3 (original): The electronic component according to claim 2, wherein said insulating layer at least partially covers said at least one elevation.

Claim 4 (original): The electronic component according to claim 3, wherein said insulating layer is elastic.

Claim 5 (original): The electronic component according to claim 1, wherein the electronic component is a semiconductor component.

Claim 6 (original): The electronic component according to claim 5, wherein the electronic component is a polymer component.

Claim 7 (original): The electronic component according to claim 1, wherein at least one of said electrical contacts is formed by one of the group consisting of a conducting layer, a conducting pin, and a conducting ball.

Claim 8 (original): An electronic component, comprising:

an electronic circuit having a first surface;

electrical contacts at least on said first surface for electrical bonding of said electronic circuit;

at least one elevation disposed on said first surface, said at least one elevation having a contact zone and an interior, said at least one elevation being formed of an insulating material having sufficient flexibility to absorb stresses occurring in said contact zone as a result of at least one of the group consisting of thermal loading and mechanical loading;

at least one of said electrical contacts disposed on said at least one elevation; and

a conduction path disposed in said interior between said at least one of said electrical contacts and said electronic circuit.

Claim 9 (original): The electronic component according to claim 8, including:

an insulating layer at least partially covering said first surface and adjoining said at least one elevation; and

conductor runs disposed on said insulating layer and forming a conducting connection between said at least one elevation and said electronic circuit.

Claim 10 (original): The electronic component according to claim 9, wherein said insulating layer at least partially covers said at least one elevation.

Claim 11 (original): The electronic component according to claim 10, wherein said insulating layer is elastic.

Claim 12 (original): The electronic component according to claim 8, wherein the electronic component is a semiconductor component.

Claim 13 (original): The electronic component according to claim 12, wherein the electronic component is a polymer component.

Claim 14 (original): The electronic component according to claim 8, wherein at least one of said electrical contacts is formed by one of the group consisting of a conducting layer, a conducting pin, and a conducting ball.

Claim 15 (currently amended): A method of producing an electronic component, which comprises:

providing an electronic component having:

an electronic circuit with a first surface; and

electrical contacts at least on the first surface for electrical bonding of the electronic circuit;

forming at least one elevation on the first surface by one of the group consisting of applying the elevation with a pressure

process, injection molding the elevation, and injection-compression molding the elevation, the elevation having an elevation surface and a contact zone, the elevation being of an insulating material having sufficient flexibility to absorb stresses occurring in the contact zone as a result of at least one of the group consisting of thermal loading and mechanical loading, the elevation having a geometrical shape for achieving a spring effect in directions extending parallel to the first surface;

providing at least one of the electrical contacts on the elevation; and

providing a conduction path on the elevation surface between the at least one of the electrical contacts and the electronic circuit.

Claim 16 (original): The method according to claim 15, wherein the elevation is one of the group consisting of thermoplastic material and thermosetting material.

Claim 17 (original): The method according to claim 15, which further comprises roughening the elevation surface after the elevation has been applied, at least in a region of the later-produced conduction path.

Claim 18 (original): The method according to claim 17, which further comprises carrying out the roughening step with a laser.

Claim 19 (original): The method according to claim 17, which further comprises depositing nuclei on the elevation surface after the elevation surface has been roughened and before a conducting material has been applied to form the conduction path on the elevation surface.

Claim 20 (original): The method according to claim 19, wherein the nuclei is palladium.

Claim 21 (original): The method according to claim 17, which further comprises carrying out the conduction path providing step by depositing a conducting material on the roughened elevation surface.

Claim 22 (original): The method according to claim 15, which further comprises:

at least partially covering the first surface with an insulating layer adjoining the elevation by applying the insulating layer with a pressure process; and

providing conductor runs on the insulating layer to form a conducting connection between the elevation and the electronic circuit.

Claim 23 (original): The method according to claim 22, which further comprises performing the covering step by one of the group consisting of injection molding the insulating layer and injection-compression molding the insulating layer.

Claim 24 (original): The method according to claim 22, which further comprises roughening a surface of the insulating layer at least in a region of conductor runs to be formed.

Claim 25 (original): The method according to claim 24, which further comprises performing the insulating layer roughening using a laser.

Claim 26 (original): The method according to claim 24, which further comprises depositing nuclei on the surface of the insulating layer after the surface of the insulating layer has been roughened and before a conducting material has been applied to form conduction paths on the surface of the insulating layer.

Claim 27 (original): The method according to claim 26,
wherein the nuclei is palladium.

Claim 28 (original): A method of producing an electronic
component, which comprises:

providing an electronic component having:

an electronic circuit with a first surface; and

electrical contacts at least on the first surface for
electrical bonding of the electronic circuit;

forming at least one elevation on the first surface by one of
the group consisting of applying the elevation with a pressure
process, injection molding the elevation, and injection-
compression molding the elevation, the elevation having an
elevation surface and an interior, the elevation being of an
insulating material having sufficient flexibility to absorb
stresses occurring in the contact zone as a result of at least
one of the group consisting of thermal loading and mechanical
loading;

providing at least one of the electrical contacts on the
elevation; and

providing a conduction path in the interior of the elevation between the at least one of the electrical contacts and the electronic circuit.

Claim 29 (original): The method according to claim 28, wherein the elevation is one of the group consisting of thermoplastic material and thermosetting material.

Claim 30 (original): The method according to claim 28, which further comprises roughening the elevation surface after the elevation has been applied, at least in a region of the later-produced conduction path.

Claim 31 (original): The method according to claim 30, which further comprises carrying out the roughening step with a laser.

Claim 32 (original): The method according to claim 30, which further comprises depositing nuclei on the elevation surface after the elevation surface has been roughened and before a conducting material has been applied to form the conduction path in the interior of the elevation.

Claim 33 (original): The method according to claim 32, wherein the nuclei is palladium.

Claim 34 (original): The method according to claim 30, which further comprises carrying out the conduction path providing step by depositing a conducting material on the roughened elevation surface.

Claim 35 (original): The method according to claim 28, which further comprises:

at least partially covering the first surface with an insulating layer adjoining the elevation by applying the insulating layer with a pressure process; and

providing conductor runs on the insulating layer to form a conducting connection between the elevation and the electronic circuit.

Claim 36 (original): The method according to claim 35, which further comprises performing the covering step by one of the group consisting of injection molding the insulating layer and injection-compression molding the insulating layer.

Claim 37 (original): The method according to claim 35, which further comprises roughening a surface of the insulating layer at least in a region of conductor runs to be formed.

Claim 38 (original): The method according to claim 37, which further comprises carrying out the insulating layer roughening using a laser.

Claim 39 (original): The method according to claim 37, which further comprises depositing nuclei on the surface of the insulating layer after the surface of the insulating layer has been roughened and before a conducting material has been applied to form conduction paths on the surface of the insulating layer.

Claim 40 (original): The method according to claim 39, wherein the nuclei is palladium.

Claim 41 (previously presented): The electronic component according to claim 1, wherein said elevation is taller than it is wide.

Claim 42 (previously presented): An electronic component, comprising:

an electronic circuit having a first surface;

electrical contacts at least on said first surface for
electrical bonding of said electronic circuit;

at least one elevation disposed on said first surface, said at
least one elevation having an elevation surface, an outwardly
facing side face, and a contact zone, said at least one
elevation being formed of an insulating material having
sufficient flexibility to absorb stresses occurring in said
contact zone as a result of at least one of the group
consisting of thermal loading and mechanical loading;

at least one of said electrical contacts disposed on said at
least one elevation;

an insulation layer only partially covering said at least one
elevation by leaving said side face free of said insulation
layer; and

a conduction path at least partly disposed on at least part of
said insulating layer partially covering said at least one
elevation between said at least one of said electrical
contacts and said electronic circuit.

Claim 43 (cancelled) .

Claim 44 (previously presented): The electronic component according to claim 42, wherein:

said insulating layer has rough regions;

at least one of said electrical contacts is disposed on said rough regions of said insulating layer; and

a conduction path is disposed on said rough regions of said insulating surface between said at least one of said electrical contacts and said electrical circuit.

Claim 45 (previously presented): An electronic component, comprising:

an electronic circuit having a first surface;

electrical contacts at least on said first surface for electrical bonding of said electronic circuit;

at least one elevation disposed on said first surface, said at least one elevation including an elevation surface having rough regions and a contact zone, said at least one elevation

being formed of an insulating material having sufficient flexibility to absorb stresses occurring in said contact zone as a result of at least one of the group consisting of thermal loading and mechanical loading;

at least one of said electrical contacts disposed on said rough regions of said elevation surface; and

a conduction path disposed on said rough regions of said elevation surface between said at least one of said electrical contacts and said electronic circuit.

Claim 46 (previously presented): The electronic component according to claim 45, wherein said rough regions include nuclei.

Claim 47 (previously presented): The electronic component according to claim 46, wherein the nuclei are palladium.